Valorisation and dissemination of technologies for measurement, modelling and control in secondary metallurgy (DissTec)

Reza Safavi Nick Jonas Alexis Johan Björkvall



Objective of the Project

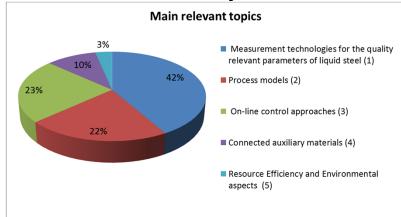
- The objective of the dissemination project DissTec is to revisit the most important European projects related to Secondary Metallurgy technologies carried out in the last two and a half decades.
 - It would be useful to valorize, distribute and promote the exploitation of the results.
 - It is a necessary step for preparing and communicating a roadmap for future research activities and priorities.

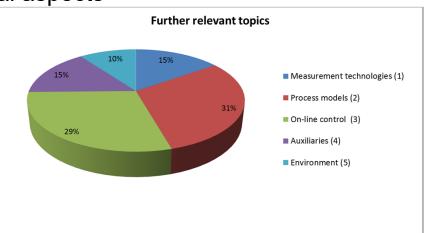


List of Topics

- Identifying the list of topics:
 - Measurement technologies for the quality relevant parameters of liquid steel
 - Process models
 - On-line control approaches
 - Connected auxiliary materials

Resources efficiency and environmental aspects

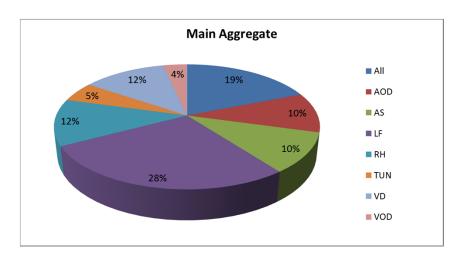






List of Aggregate

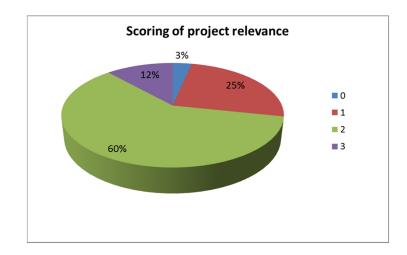
- The processes are categorized as follows:
 - Ladle furnace (LF)
 - Ladle stirring station (AS)
 - Vacuum tank degassing plant (VD)
 - RH degassing plant (RH)
 - CAS(-OB) plant (CAS)
 - VOD plant (VOD)
 - AOD converter (AOD)
 - Tundish (TUN)





Scoring

- The scoring of the projects has been based on the following four criteria:
 - Zero: if "the project idea does not work"
 - One: if "the project idea was in principle good, but industrial implementation was not possible at the time"
 - Two: if "the project idea is applied in at least one industrial plant"
 - Three: if "the project idea is state of the art and is applied in many plants"



of projects scored zero:

• 2 projects (3%)



Seminars, Webinar and Workshop

• To dessiminate the findings five Seminars, one for each partner, are planned with respect to the topics as presented above

When	Who	Where	What	
27 April	CSM	Milan	Models for Secondary Metallurgy processes	
22-23 May	MEFOS	Stockholm	Connected auxiliary materials	
May / June	MPI	UK	Optimisation of Secondary Metallurgy practices wrt. models, measurement and control technologies (focus on clean steel)	
June	BFI & CRM	Vienna	Measurement technologies	
14-15 Nov	BFI	Duisburg	On-line process control of Secondary Metallurgy plants (focus on EAF steelmaking)	



Seminars, Webinar and Workshop

 In addition to the Seminars, two webinars are planned to intruduce new technological breakthrough to European Industries

When	Who	What
September	CSM & BFI	Measurement technologies
October	MPI & BFI	Level 2/3 Control Systems



Seminars, Webinar and Workshop

 As stated, one of the main objective is to prepear a roadmap for future industy. The workshop is planned as the final step into the project as below:

When	Who	Where	What
10 Nov	BFI	Dusseldorf	Road map for future Secondary Metallurgy technology



Dessimination of materials

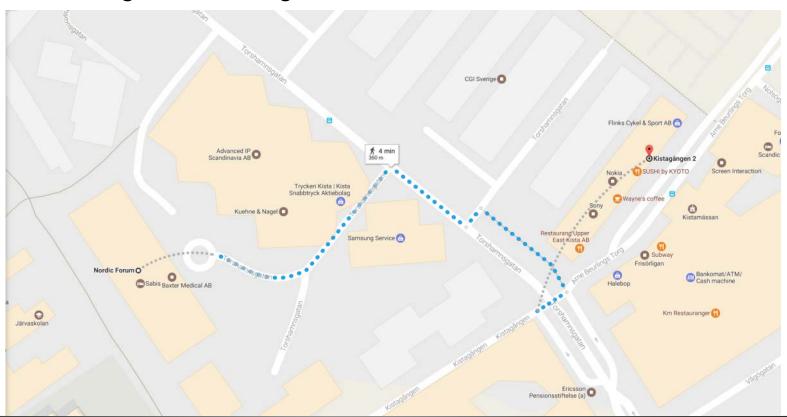
- The materials regarding the DissTec project (final reports, presnetations and etc.) can be found in:
 - http://www.bfi.de/de/projekte/disstec/



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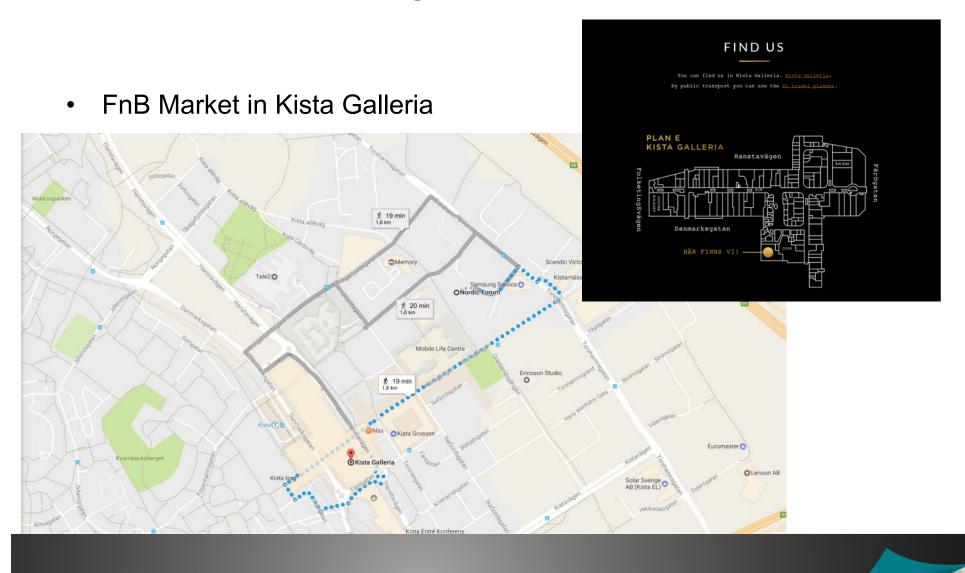
Places and How to get there from Nordic Forum

Uvån Hagfors Teknologi AB UHT





Places and How to get there from Nordic Forum



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